



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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**Boralex Stratton Energy, LP  
Franklin County  
Stratton, Maine  
A-368-70-F-R**

**Departmental  
Findings of Fact and Order  
Part 70 Air Emission License**

After review of the Part 70 renewal application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

**A. Introduction**

FACILITY	Boralex Stratton Energy LP(BSELP)
RENEWAL LICENSE NUMBER	A-368-70-F-R
LICENSE TYPE	Part 70 Renewal
NAIC CODES	4911 – Electrical Generation
NATURE OF BUSINESS	Electric Generating Station
FACILITY LOCATION	Route 27, Stratton, Maine
DATE OF RENEWAL LICENSE ISSUANCE	<b>January 26, 2010</b>
LICENSE EXPIRATION DATE	<b>January 26, 2015</b>

**B. Emission Equipment**

The following emission units are addressed by this Part 70 License:

EMISSION UNIT ID	UNIT CAPACITY	UNIT TYPE
Boiler 1	672.0 MMBtu/hr	Biomass fired boiler
Diesel Unit #1	3.33 MMBtu/hr	Emergency Generator

BSELP has additional insignificant activities not listed in the emission equipment table above.

**C. Application Classification**

The application for BSELP does not include the licensing of increased emissions or the installation of new or modified equipment, therefore the license is considered to be a renewal Part 70 License issued under Chapter 140 for a Part 70 source.

## II. EMISSION UNIT DESCRIPTION

### A. Boiler #1

Boiler #1 is a Combustion Engineering, model VU-40 boiler, manufactured in 1988, installed in 1989 with a maximum firing rate of 672.0 MMBtu/hr firing biomass with a 140.0 MMBtu/hr #2 fuel oil burner and is therefore subject to the provisions of NSPS requirement 40 CFR Part 60, Subpart Db.

BSELP also uses off-spec fiber from Cascades Auburn Fiber, Inc. as a replacement fuel for wood fired in Boiler #1.

A continuous emissions monitoring system (CEMS) is used at BSELP to demonstrate compliance with NO<sub>x</sub> and CO emission rates. A continuous opacity monitor (COM) is used to demonstrate compliance with opacity requirements. An oxygen (O<sub>2</sub>) CEM is used to measure diluent oxygen in Boiler 1 emissions.

Data from periods of high O<sub>2</sub> (greater than 16% O<sub>2</sub>) in the stack gas compromise the CEMS ability to appropriately account for CO and NO<sub>x</sub> lb/MMBtu emission rates, from monitored ppm emission rates, and are therefore not appropriate to be included for calculation purposes. In order to resolve this issue, the Department will allow the facility to flag the event as a startup, shutdown, or malfunction and exclude the data from being used in emission rate compliance calculations.

BSELP is authorized to burn Construction/Demolition Wood Fuel (CDWF) in Boiler #1 in addition to conventional wood fuel. Up to fifty (50%) percent by weight of the fuel fired on an annual basis may be CDWF; up to sixty five (65%) percent by weight of the fuel fired on a daily basis may be CDWF meeting the requirements of MEDEP Chapt 418. Processed pallet material has been determined to be part of the whole tree chip mix and shall not be considered part of the CDWF wood mix.

The operation and maintenance of a multiple centrifugal cyclone separator followed by an electrostatic precipitator (ESP) controls particulate emissions from Boiler #1.

BSELP operates an Ecotube System, manufactured by ECOMB SA from Sweden and a regenerative selective catalytic reduction (R-SCR) system designed by Babcock Power Environmental Inc. (BPEI) to reduce emissions of NO<sub>x</sub> in order to meet specialty customer requirements.

The Ecotube System consists of four liquid cooled, automatically retractable tubes (Ecotubes). These tubes are inserted into the boiler through openings in the walls. Ambient air is added through the Ecotubes with high pressure and high speed using adjustable nozzles in order to improve the mixing of the combustion gases and the air. The result is an efficient combustion process with overall reduced emissions. In addition, thermal efficiency is also increased which results in lower fuel consumption. A 30% liquid urea reagent or 19% aqueous ammonia (NH<sub>3</sub>) reagent can also be introduced into the Ecotube System to enhance NO<sub>x</sub> reduction.

The R-SCR is a system that removes NO<sub>x</sub> from the flue gas using a catalytic reduction process requiring a 19% aqueous ammonia reagent to be added to the flue gas upstream of the catalyst. Flue gas exiting the stack is typically 300°F to 350°F, and could be below the temperature required for the catalyst to operate and meet emission targets. Therefore, the flue gas entering the R-SCR may require heating to elevate the flue gas temperature for optimum system performance. If needed, flue gas heating will be accomplished by igniting and firing a maximum of 85 gallons per hour of #2 fuel oil in a region of the gas stream after the Electrostatic Precipitator (ESP) and before the R-SCR. At full load, the typical combined firing rate of the burners will be approximately 60 gallons per hour. The 19% aqueous ammonia reagent will be added upstream of the catalyst and well-mixed with the flue gas prior to contacting the catalyst to ensure optimum NO<sub>x</sub> removal efficiency and low ammonia concentrations in the outlet gas stream (Ammonia slip).

Boralex has also proposed to use the Ecotube System with urea or ammonia injection as a secondary NO<sub>x</sub> reduction tool if necessary. If employed, the unreacted ammonia (ammonia slip) from the Ecotube System, should aid the R-SCR system in reducing NO<sub>x</sub> to the desired levels with minimal additional reagent consumption by the R-SCR. Boralex also proposes to use the Ecotube System with urea or ammonia injection at times when the R-SCR is down for maintenance or unanticipated repair. However, operation of the R-SCR system and / or the Ecotube System using injected reagents will only be employed when the Renewal Energy Credit (REC) market justifies their operation.

Based on an emission factor of 0.108 pound of hydrochloric acid (HCl) per ton of wood (4500 Btu/pound), BSELP has the potential to emit 35.4<sup>1</sup> tons of HCl per year; above the 10 tons of Hazardous Air Pollutant (HAP) per year to be a major source of HAPs. As such, Boiler #1 was subject to the requirements of 40 CFR Part 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (the "Boiler MACT"). However on June 8, 2007 the District of Columbia Court of Appeals issued a decision, *Natural Resources Defense Council vs. EPA*, vacating the Boiler MACT and thus BSELP shall comply with BACT and will subsequently comply with this subpart in the timeframes specified upon final approval.

#### **40 CFR Part 64 – Compliance Assurance Monitoring (CAM) applicability**

CAM applies to emission units located at a major source required to obtain a Part 70 license in which the emissions unit is subject to an emission limitation, utilizes a control device to achieve that limitation and has precontrol emissions which are greater than the major source threshold for the controlled pollutant. Boiler 1 utilizes a cyclone and electrostatic precipitator to control PM emissions and utilizes R-SCR as well as the ecotube system to control NO<sub>x</sub> emissions. In each

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<sup>1</sup> Average of two tests conducted for HCL; July 10, 2006 and November 7, 2006.

of these cases, Boiler 1 has the potential to emit greater than 100 tons per year each of PM and NO<sub>x</sub> prior to the control equipment. As such, CAM applies to PM and NO<sub>x</sub> from Boiler 1. The use of a NO<sub>x</sub> Continuous Emissions Monitoring system (CEMS) satisfies the requirements of CAM for NO<sub>x</sub> monitoring. When a pollutant subject to CAM is also subject to a MACT requirement, the MACT requirement supersedes CAM. Due to the vacature of the Boiler MACT, CAM for PM shall consist of the following:

**PM CAM:**

	<b>Indicator #1</b>
<b>Indicator</b>	Opacity
<b>General Criteria</b>	
Measurement Method	Continuous Opacity Monitoring System (COMS)
Indicator Range	9% opacity. Except during periods of startup, shutdown or malfunction, if the opacity is above this value on a six (6) minute block average basis for ten consecutive six minute block average periods, it is considered an excursion. An excursion will require an inspection of the ESP within 4 hours of documentation of an excursion, corrective action, and a reporting requirement.
<b>Performance Criteria</b>	
Data Representativeness	COMS installed and maintained in accordance with 06-096 CMR 117.
QA/QC	COMS maintained and tested in accordance with 06-096 CMR 117.
Monitoring Frequency	Thirty-six (36) data values relatively equally spaced over each six (6) minute block.
Data Collection Procedure	Data shall be recorded and stored electronically.
Averaging Period	Over a six (6)-minute period.

**Streamlining**

1. 40CFR Part 60.43b(c)(1), (f), (g) and 06-096 CMR 103 regulate particulate matter (PM) emission limits. BACT was determined in A-368-71-A-N (3/10/1987).
2. 06-096 CMR Chapter 101 is applicable for visible emissions. However, 40 CFR Part 60.43b(f) is more stringent and BACT was determined in A-368-71-A-N (3/10/1987).
3. 40 CFR Part 60 and 06-096 CMR 117 require the use of Continuous Opacity Monitoring System (COMS). However, Air Emission License A-368-71-C-A/R (7/26/1991) determined that 06-096 CMR 117 is at least as stringent as 40 CFR Part 60.
4. 40 CFR Part 60.13 and 06-096 CMR 117 detail the sampling frequency of the CEMS and COMS. However, Air Emission License A-368-71-C-A/R

(7/26/1991) determined that 06-096 CMR 117 is at least as stringent as 40 CFR Part 60.

5. 40 CFR 60.11(d) has been streamlined into Standard Condition #5. Reference A-368-70-A-I (10/24/2000).
6. 40 CFR 60.11 (g) has been streamlined into Standard Statement #5. Reference A-368-70-A-I (10/24/2000).

**Periodic Monitoring**

1. Hourly fuel oil flow into Boiler 1.
2. Boiler 1 fuel oil sulfur content.
3. Quantity of fuel burned in Boiler 1 each day.
4. Boiler 1 emission stack testing for particulate matter and ammonia emission rates once every even number year, unless otherwise directed by the Department.
5. Boiler 1 preventative maintenance actions performed.

**B. Diesel Unit #1**

Diesel Unit #1 is a 475 HP unit with a maximum design heat input capacity of 3.33 MMBtu/hr firing diesel fuel with a maximum sulfur content of 0.05% by weight. Diesel Unit #1 was installed in 1995 and is therefore not subject to NSPS requirements.

Diesel unit #1 shall be limited to 4,892 gallons or 500 hours of operation on a 12 month rolling total.

**Streamlining**

1. Chapter 106 regulates fuel sulfur content, however the BPT sulfur limit of 0.05% sulfur by weight is more stringent.
2. Chapter 101 is applicable for visible emissions, however the BPT opacity limit in the current license is more stringent.

**Periodic Monitoring**

1. Diesel Unit #1 preventative maintenance actions being performed.
2. Diesel Unit #1 hours of operation.
3. Diesel Unit #1 fuel use.
4. Diesel Unit #1 fuel oil percent sulfur.

Based on the type and amount of fuel for which the diesel was designed, a properly maintained and operated diesel unit should not exceed opacity limits. Therefore, periodic monitoring by the source for opacity in the form of visible emission testing in accordance with 40 CFR Part 60, Appendix A, Method 9 is not required. However, neither the EPA nor the DEP is precluded from performing its own testing and may take enforcement action for any violations discovered.

C. Degreaser Units

The degreaser units are small, one person stations. One is located in the addition to the service building and the other is located in the Power Plant. Both units utilize a non-hazardous material.

**Periodic monitoring**

Periodic monitoring for the degreaser units shall consist of record keeping including records of solvent added and removed.

D. General Process Sources

General process particulate matter sources at BSELP include wood chip conveyors, transfer points and a portable wood chipper, which may or may not be on site. Any conveyor totally within a building shall be considered enclosed.

**Periodic Monitoring**

Based on best management practices, general process emission sources should not exceed the opacity limits. Therefore, periodic monitoring for opacity in the form of visible emission testing is not required. However, neither the EPA nor the DEP is precluded from performing its own testing and may take enforcement action for any violations discovered.

E. Fugitive Emissions

Fugitive particulate matter sources at BSELP includes material stockpiles and roadways.

**Periodic Monitoring**

Based on best management practices, fugitive emission sources should not exceed the opacity limits. Therefore, periodic monitoring for opacity in the form of visible emission testing is not required. However, neither the EPA nor the DEP is precluded from performing its own testing and may take enforcement action for any violations discovered.

F. Facility Emissions

The following total licensed annual emissions for the facility are based on the following raw materials used. All usages are based on a 12 month rolling total.

- Emissions for the firing of wood (50% moisture, or equivalent) in Boiler #1 are based on continuous operation.
- Boiler #1 off-spec waste fiber use of 138,583 tons per year (as fired)
- Boiler #1 clarifier waste cake use of 100 tons per year (as fired).
- Boiler #1 and R-SCR total fuel oil use of 4,204,800 gallons per year of #2 fuel oil (0.25% sulfur by weight) or a lesser amount of #2 fuel oil with a total sulfur equivalence (0.5% maximum).
- Boiler #1 waste oil use of 5,000 gallons per year of on-site generated waste oil.

- Emergency Generator #1 fuel use of 4,892 gallons per year of diesel fuel (0.05% sulfur by weight).

**Total Annual Emissions for the Facility**  
(used to calculate the annual license fee)

<u>Pollutant</u>	<u>Boiler</u> <u>(wood)</u>	<u>Boiler</u> <u>(oil burner)</u>	<u>Diesel</u> <u>Unit #1</u>	<u>Total</u> <u>TPY</u>
PM	88.30	8.83	0.10	97.4
PM <sub>10</sub>	88.30	8.83	0.10	97.4
SO <sub>2</sub>	26.49	74.11	0.04	100.7
NO <sub>x</sub>	706.41	42.09	3.67	753.7
CO	1766.02	10.51	0.79	1,777.7
VOC	206.04	0.42	0.29	206.9
NH <sub>3</sub>	39.55	--	--	39.6
Lead	0.35	--	--	0.35
HCl	35.4	0.00	0.0	35.4

### III. AIR QUALITY ANALYSIS

BSELP previously submitted an ambient air quality analysis demonstrating that emissions from the facility, in conjunction with all other sources, do not violate ambient air quality standards. The results of this analysis are contained in Air Emission License A-368-71-C-A/R. An additional ambient air quality analysis is not required for this Part 70 renewal License.

### ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that emissions from this source:

- will receive Best Practical Treatment;
- will not violate applicable emissions standards
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants the Part 70 License A-368-70-F-R pursuant to 06-096 CMR 140 and the preconstruction permitting requirements of 06-096 CMR 115 and subject to the standard and special conditions below.

All federally enforceable and State-only enforceable conditions in existing air licenses previously issued to BSELP pursuant to the Department's preconstruction permitting requirements in 06-096 CMR 108 or 06-096 CMR 115 have been incorporated into this Part 70 license, except for such conditions that MEDEP has determined are obsolete, extraneous or otherwise environmentally insignificant, as explained in the findings of fact accompanying this permit. As such, the conditions in this license supersede all previously issued air license conditions.

Federally enforceable conditions in this Part 70 license must be changed pursuant to the applicable requirements in 06-096 CMR 115 for making such changes and pursuant to the applicable requirements in 06-096 CMR 140.

For each standard and special condition which is state enforceable only, state-only enforceability is designated with the following statement: **Enforceable by State-only.**

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

### STANDARD STATEMENTS

- (1) Approval to construct shall become invalid if the source has not commenced construction within eighteen (18) months after receipt of such approval or if construction is discontinued for a period of eighteen (18) months or more. The Department may extend this time period upon a satisfactory showing that an extension is justified, but may condition such extension upon a review of either the control technology analysis or the ambient air quality standards analysis, or both; [06-096 CMR 140]
- (2) The Part 70 license does not convey any property rights of any sort, or any exclusive privilege; [06-096 CMR 140]
- (3) All terms and conditions are enforceable by EPA and citizens under the CAA unless specifically designated as state enforceable. [06-096 CMR 140]
- (4) The licensee may not use as a defense in an enforcement action that the disruption, cessation, or reduction of licensed operations would have been necessary in order to maintain compliance with the conditions of the air emission license; [06-096 CMR 140]
- (5) Notwithstanding any other provision in the State Implementation Plan approved by the EPA or Section 114(a) of the CAA, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any statute, regulation, or Part 70 license requirement. [06-096 CMR 140]
- (6) Compliance with the conditions of this Part 70 license shall be deemed compliance with any Applicable requirement as of the date of license issuance and is deemed a permit shield, provided that:
  - A. Such Applicable and state requirements are included and are specifically identified in the Part 70 license, except where the Part 70 license term or condition is specifically identified as not having a permit shield; or
  - B. The Department, in acting on the Part 70 license application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the Part 70 license includes the determination or a concise summary, thereof.



Nothing in this section or any Part 70 license shall alter or effect the provisions of Section 303 of the CAA (emergency orders), including the authority of EPA under Section 303; the liability of an owner or operator of a source for any violation of Applicable requirements prior to or at the time of permit issuance; or the ability of EPA to obtain information from a source pursuant to Section 114 of the CAA.

The following requirements have been specifically identified as not applicable based upon information submitted by the applicant.

SOURCE	CITATION	DESCRIPTION	BASIS FOR DETERMINATION
Boiler 1	40 CFR Part 60.44b(c)	There is no NSPS NO <sub>x</sub> limit if the affected facility has an annual capacity factor less than 10% for oil firing in combination with firing wood.	Boiler 1 has an annual capacity factor less than 10% for oil firing.
Diesel Generator	40 CFR Part 64	Compliance Assurance Monitoring	Not applicable, unit does not utilize pollution control equipment.
Diesel Fire Pump	06-096 CMR 103, Section 2(B)(4)(c)	Particulate emission limit for fuel burning equipment > 3.0 MMBtu/hr.	Not applicable, unit is < 3.0 MMBtu/hr.
Diesel Fire Pump	40 CFR Part 64	Compliance Assurance Monitoring	Not applicable, unit does not utilize pollution control equipment.

[A-368-70-A-I (10/24/2000)]

- (7) The Part 70 license shall be reopened for cause by the Department or EPA, prior to the expiration of the Part 70 license, if:
- Additional Applicable requirements under the CAA become applicable to a Part 70 major source with a remaining Part 70 license term of 3 or more years. However, no opening is required if the effective date of the requirement is later than the date on which the Part 70 license is due to expire, unless the original Part 70 license or any of its terms and conditions has been extended pursuant to 06-096 CMR 140;
  - Additional requirements (including excess emissions requirements) become applicable to a Title IV source under the acid rain program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the Part 70 license;
  - The Department or EPA determines that the Part 70 license contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Part 70 license; or
  - The Department or EPA determines that the Part 70 license must be revised or revoked to assure compliance with the Applicable requirements.

The licensee shall furnish to the Department within a reasonable time any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the Part 70 license or to determine compliance with the Part 70 license.

[06-096 CMR 140]

- (8) No license revision or amendment shall be required, under any approved economic incentives, marketable licenses, emissions trading and other similar programs or processes for changes that are provided for in the Part 70 license. [06-096 CMR 140]

#### **STANDARD CONDITIONS**

- (1) Employees and authorized representatives of the Department shall be allowed access to the licensee's premises during business hours, or any time during which any emissions units are in operation, and at such other times as the Department deems necessary for the purpose of performing tests, collecting samples, conducting inspections, or examining and copying records relating to emissions and this license (Title 38 MRSA §347-C);

- (2) The licensee shall acquire a new or amended air emission license prior to commencing construction of a modification, unless specifically provided for in 06-096 CMR 140; [06-096 CMR 140]

- (3) The licensee shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation which may result in fugitive dust, and shall submit a description of the program to the Department upon request; [06-096 CMR 140]

#### **Enforceable by State-only**

- (4) The licensee shall pay the annual air emission license fee to the Department, calculated pursuant to Title 38 MRSA §353.
- (5) The licensee shall maintain and operate all emission units and air pollution control systems required by the air emission license in a manner consistent with good air pollution control practice for minimizing emissions; [06-096 CMR 140]

#### **Enforceable by State-only**

- (6) The licensee shall retain records of all required monitoring data and support information for a period of at least six (6) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the Part 70 license. The records shall be submitted to the Department upon written request or in accordance with other provisions of this license; [06-096 CMR 140]
- (7) The licensee shall comply with all terms and conditions of the air emission license. The submission of notice of intent to reopen for cause by the Department, the filing of an appeal by the licensee, the notification of planned changes or anticipated

noncompliance by the licensee, or the filing of an application by the licensee for the renewal of a Part 70 license or amendment shall not stay any condition of the Part 70 license. [06-096 CMR 140]

- (8) In accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department, the licensee shall:
- A. perform stack testing under circumstances representative of the facility's normal process and operating conditions:
    - 1. within sixty (60) calendar days of receipt of a notification to test from the Department or EPA, if visible emissions, equipment operating parameters, staff inspection, air monitoring or other cause indicate to the Department that equipment may be operating out of compliance with emission standards or license conditions;
    - 2. to demonstrate compliance with the applicable emission standards; or
    - 3. pursuant to any other requirement of this license to perform stack testing.
  - B. install or make provisions to install test ports that meet the criteria of 40 CFR Part 60, Appendix A, and test platforms, if necessary, and other accommodations necessary to allow emission testing; and
  - C. submit a written report to the Department within thirty (30) days from date of test completion.
- [06-096 CMR 140] **Enforceable by State-only**
- (9) If the results of a stack test performed under circumstances representative of the facility's normal process and operating conditions indicates emissions in excess of the applicable standards, then:
- A. within thirty (30) days following receipt of such test results, the licensee shall re-test the non-complying emission source under circumstances representative of the facility's normal process and operating conditions and in accordance with the Department's air emission compliance test protocol and 40 CFR Part 60 or other method approved or required by the Department; and
  - B. the days of violation shall be presumed to include the date of stack test and each and every day of operation thereafter until compliance is demonstrated under normal and representative process and operating conditions, except to the extent that the facility can prove to the satisfaction of the Department that there were intervening days during which no violation occurred or that the violation was not continuing in nature; and
  - C. the licensee may, upon the approval of the Department following the successful demonstration of compliance at alternative load conditions, operate under such alternative load conditions on an interim basis prior to a demonstration of compliance under normal and representative process and operating conditions.

[06-096 CMR 140] **Enforceable by State-only**

- (10) The licensee shall maintain records of all deviations from license requirements. Such deviations shall include, but are not limited to malfunctions, failures, downtime, and any other similar change in operation of air pollution control systems or the emission unit itself that is not consistent with the terms and conditions of the air emission license.
- A. The licensee shall notify the Commissioner within 48 hours of a violation of any emission standard and/or a malfunction or breakdown in any component part that causes a violation of any emission standard, and shall report the probable cause, corrective action, and any excess emissions in the units of the applicable emission limitation;
- B. The licensee shall submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component part causes a violation of any emission standard, together with any exemption requests.
- Pursuant to 38 MRSA § 349(9), the Commissioner may exempt from civil penalty an air emission in excess of license limitations if the emission occurs during start-up or shutdown or results exclusively from an unavoidable malfunction entirely beyond the control of the licensee and the licensee has taken all reasonable steps to minimize or prevent any emission and takes corrective action as soon as possible. There may be no exemption if the malfunction is caused, entirely or in part, by poor maintenance, careless operation, poor design or any other reasonably preventable condition or preventable equipment breakdown. The burden of proof is on the licensee seeking the exemption under this subSELPction.
- C. All other deviations shall be reported to the Department in the facility's semiannual report.  
[06-096 CMR 140]
- (11) Upon the written request of the Department, the licensee shall establish and maintain such records, make such reports, install, use, and maintain such monitoring equipment, sample such emissions (in accordance with such methods, at such locations, at such intervals, and in such manner as the Department shall prescribe), and provide other information as the Department may reasonably require to determine the licensee's compliance status. [06-096 CMR 140]
- (12) The licensee shall submit semiannual reports of any required periodic monitoring. All instances of deviations from Part 70 license requirements must be clearly identified in such reports. All required reports must be certified by a responsible official. [06-096 CMR 140]
- (13) The licensee shall submit a compliance certification to the Department and EPA at least annually, or more frequently if specified in the applicable requirement or by the Department. The compliance certification shall include the following:
- (a) The identification of each term or condition of the Part 70 license that is the basis of the certification;
- (b) The compliance status;

- (c) Whether compliance was continuous or intermittent;
  - (d) The method(s) used for determining the compliance status of the source, currently and over the reporting period; and
  - (e) Such other facts as the Department may require to determine the compliance status of the source;
- [06-096 CMR 140]

### SPECIAL CONDITIONS

#### (14) Boiler 1

- A. Boiler 1 steam production shall be limited to 500,000 #/hr. [A-368-70-A-I (10/24/2000), BPT]

BSELP shall monitor and record steam flow rate and steam temperature continuously for Boiler 1. Note, "continuously" is defined as: 3 points in a one hour period, with no more than 2 points in any one half-hour period.

Each parameter monitor must record accurate and reliable data. If the parameter monitor is recording accurate and reliable data less than 98% of the source-operating time within any quarter of the calendar year, the Department may initiate enforcement action and may include in that enforcement action any period of time that the parameter monitor was not recording accurate and reliable data during that quarter unless the licensee can demonstrate to the satisfaction of the Department that the failure of the system to record accurate and reliable data was due to the performance of established quality assurance and quality control procedures or unavoidable malfunctions.

[A-368-70-A-I (10/24/2000), BPT]

- B. The maximum heat input capacity from oil in Boiler 1 when firing #2 fuel oil for boiler start-up and flame stabilization shall not exceed 140.0 MMBtu/hr (1,000 gal/hr). The flow rate shall be recorded hourly by a Distributed Control System (DCS).

[A-368-70-A-I (10/24/2000), BPT]

- C. Boiler 1 is permitted to fire biomass (which includes wood chips, waste fiber, clarifier waste cake and other plant derived fuel), CDWF and oil. Emissions from Boiler 1 shall not exceed the following limits when firing biomass and/or oil:

<u>Pollutant</u>	<u>lb/MMBtu</u>	<u>Origin and Authority</u>
PM	0.03	A-368-71-A-N (3/10/1987), BPT
PM <sub>10</sub>	0.03	A-368-71-A-N (3/10/1987), BPT
NO <sub>x</sub>	0.24	A-368-70-E-A (1/4/2005), BPT
CO	0.60	A-368-71-A-N (3/10/1987), BPT

- NO<sub>x</sub>: The 0.24 lb/MMBtu limit is based on a 24-hour daily block average, via CEM. A 24-hour block average shall be defined as midnight to midnight. [A-368-70-E-A (1/4/2005), BPT]
- CO: The 0.60 lb/MMBtu limit is based on a 24-hour block average via CEM. A 24-hour block average shall be defined as midnight to midnight. [A-368-70-A-I (10/24/2000), BPT]

D. Lb/hr emissions from Boiler 1 shall not exceed the following limits:

Pollutant	Lb/hour	Origin and Authority
PM	20.2	A-368-70-A-I (10/24/2000), BPT
PM <sub>10</sub>	20.2	A-368-70-A-I (10/24/2000), BPT
SO <sub>2</sub> *	35.5	A-368-70-A-I (10/24/2000), BPT
NO <sub>x</sub>	161.3	A-368-70-E-A (1/4/2005), BPT
CO	403.2	A-368-70-A-I (10/24/2000), BPT
VOC	47.0	A-368-70-A-I (10/24/2000), BPT
Lead	0.08	A-368-70-B-M (7/3/2002), BPT
NH <sub>3</sub>	9.04	A-368-70-E-A (1/4/2005), BPT

\*Note: SO<sub>2</sub> lb/hr limit is based on 0.35% #2 fuel oil in auxiliary burner.

PM, SO<sub>2</sub>, VOC and Lead lb/hr limits are on a one (1) hour average and must be demonstrated upon request by the Department by a stack test in accordance with this license. [A-368-70-E-A (1/4/2005), BPT]

CO, NO<sub>x</sub> and NH<sub>3</sub> lb/hr limits are based on a 24 hour block average basis and can be demonstrated upon request by the Department by a stack test in accordance with this license. A 24 hour block average basis shall be defined as midnight to midnight. [A-368-70-E-A (1/4/2005), BPT]

- E. Emissions from Boiler 1 shall vent to Stack 1 which shall be at least 290 feet AGL and represent at least 100% of the formula GEP stack height. [A-368-70-A-I (10/24/2000), BPT]
- F. Particulate matter (PM, PM<sub>10</sub>) emissions from Boiler 1 shall be controlled by the operation and maintenance of a multiple centrifugal cyclone separator followed by an electrostatic precipitator (ESP).

While burning CDWF, with the exception of startup, shutdown and malfunction, BSELP shall operate the 4-cell ESP with all fields energized.

BSELP shall ensure that the installed ESP is operated at all times to minimize emissions and to maximize operational efficiency. If at any time during plant operations while combusting greater than 10% CDWF a malfunction should result in loss of an ESP field or chamber, the facility must take immediate

action to correct the failed field or chamber and return it to service within 72 hours unless provisions to combust only unadulterated wood fuel (whole tree chips, mill residues, etc...) have been executed within this time. Upon written notification to the Department, and in accordance with the Bureau of Air Quality's Air Emission Compliance Test Protocol, BSELP may perform additional particulate emission testing while burning CDWF to demonstrate compliance with 3 of the 4 ESP cells energized, but under no circumstances shall BSELP be relieved of its obligation to meet its licensed emission limits. While burning only unadulterated wood fuel BSELP shall operate, at a minimum, the number of ESP chambers and number of fields per chamber that were operated during the most recent demonstration of compliance with the licensed particulate emission limits..

Upon written notification to the Department, and in accordance with the Bureau of Air Quality's Air Emission Compliance Test Protocol, BSELP may perform additional particulate emission testing to demonstrate compliance with alternative operating scenarios, but under no circumstances shall BSELP be relieved of its obligation to meet its licensed emission limits.

The following shall be recorded once per day for the ESP during operation:

1. Primary and secondary voltages on each field.
2. Primary and secondary currents on each field.

[A-368-70-H-A (4/5/2006), BPT]

- G. BSELP shall operate Boiler 1 such that the opacity does not exceed 20% over a six minute average except for one six minute period per hour of not more than 27%, subject to the provisions of Title 38 MRSA §349.

[A-368-71-A-N (3/10/1987), BPT]

- H. Compliance with the opacity limit shall be demonstrated by means of a continuous opacity monitoring system (COMS). The COMS shall be installed and certified on the breaching of the ESP to the stack or in the stack. BSELP shall maintain the COMS in accordance with 06-096 CMR 117.

[A-368-71-C-A/R (7/26/1991), BPT]

- I. Boiler 1 shall be equipped with an oxygen (O<sub>2</sub>) CEM that meets the criteria of 40 CFR Part 60, Appendix B, Performance Specification 3. The Department will allow the facility to flag periods of high O<sub>2</sub> (greater than 16% O<sub>2</sub>) as a startup, shutdown, or malfunction and exclude the data from being used in emission rate compliance calculations.

[A-368-71-C-A/R (7/26/1991), BPT]

- J. Boiler 1 shall be equipped with a NO<sub>x</sub> CEM. BSELP shall maintain the NO<sub>x</sub> CEM in accordance with 06-096 CMR 117. The CEM shall meet the monitoring requirements of 40 CFR Part 60.13 as well as 40 CFR Part 60, Appendices B and F. [A-368-70-E-A (1/4/2005), BPT]

- K. Boiler 1 shall be equipped with a CO CEM. BSELP shall maintain the CO CEM in accordance with 06-096 CMR 117. The CEM shall meet the

monitoring requirements of 40 CFR Part 60.13 as well as 40 CFR Part 60, Appendices B and F. [A-368-70-A-I (10/24/2000), BPT]

- L. Boiler 1 is subject to 40 CFR Part 60 Subparts A and Db and BSELP shall comply with the notification and record keeping requirements of 40 CFR Part 60.7.

40 CFR Part 60 Subpart Db requires maintaining records of the amount of fuels combusted each day and calculation of annual capacity factor individually for wood and oil for each reporting period. BSELP shall maintain monthly fuel use records and determine an annual capacity factor on a 12 month rolling average basis with the new annual capacity calculated at the end of each calendar month.

[A-368-70-A-I (10/24/2000), BPT]

- M. Boiler 1 Fuel Use Limits:

1. BSELP shall limit the annual off-spec waste fiber fuel usage (based on purchase records which quantify the type and quantity of fiber) into Boiler 1 to 138,583 tons per year of off-spec waste fiber (as fired).

[A-368-70-A-I (10/24/2000), BPT]

2. BSELP shall limit the quantity of clarifier waste cake burned in Boiler 1 to 100 tons per year (as fired). Compliance is based on recording the quantity of waste cake incorporated into the fuel pile on a 12 month rolling total.

[A-368-70-A-I (10/24/2000), BPT]

3. Up to seventy five percent (75%) by weight of the daily and annual fuel used in Boiler #1 may be CDWF (based on purchase records which specify the type and quantity of CDWF). [A-368-70-B-M (7/3/2002), BPT]

CDWF, for the purpose of this license, shall be chipped wood demolition debris where painted wood, chemically treated wood, and wood mixed with roofing and other non wood related demolition products is removed such that the requirements of Solid Waste Bureau Schedule of Compliance for Boralex Stratton Energy are met. [06-096 CMR 140, BPT]

Processed pallet material has been determined to be part of the whole tree chip mix and shall not be considered part of the CDWF wood mix. [A-368-70-C-A (1/20/2004), BPT]

4. Combined #2 fuel oil and waste oil use in Boiler 1 and the R-SCR shall not exceed 3,000 gallons/3-hour period, 24,000 gallons/day, nor 4,204,800 gallons/year (12-month rolling total) with a maximum sulfur content of 0.25% or a lesser amount of #2 fuel oil with a total sulfur equivalence (0.5% maximum). This annual fuel use requirement ensures BSELP meets the <10% capacity factor for oil.



Fuel flow monitors shall be operated and maintained to demonstrate compliance. Fuel oil sulfur content compliance shall be determined using receipts indicating the percent sulfur by weight or fuel oil analysis.

If the percent sulfur of the fuel oil is not available from the supplier, an analysis of the fuel oil may be taken and tested to determine the sulfur content (Reference 40 CFR Part 60.42b(j)(1) and Appendix A, Method 19).

[A-368-70-A-I (10/25/2000), BPT]

5. BSELP may burn no more than 5,000 gallons per year of on-site generated waste oil in Boiler 1.

Only waste oil meeting the criteria "specification" or "off-specification" waste oil (as defined in the "Waste Oil Management Rules") shall be burned in Boiler 1.

A log shall be maintained recording the quantities of specification and off-specification waste oil burned in Boiler 1 and shall be made available to the Department upon request.

[A-368-70-A-I (10/25/2000), BPT]

- N. Ash from Boiler 1 grate and flyash shall be disposed of in accordance with the Bureau of Remediation and Waste Management (BRWM). Ash shall be sufficiently conditioned with water or transported in covered (or enclosed) containers so as to prevent fugitive emissions.

[A-368-70-A-I (10/25/2000), BPT] **Enforceable by State Only**

- O. Should wind action or handling of reclamation of wood chips result in visible emissions in excess of 5% opacity, the chips shall be controlled to eliminate visible emissions in excess of 5% opacity on a six (6) minute average.

[A-368-70-A-I (10/25/2000), BPT] **Enforceable by State Only**

- P. BSELP is not required to operate the Ecotube system during Boiler 1 operations provided the NO<sub>x</sub> emission limits set forth in Condition 24(C) and Condition 24(D) are met.

[06-096 CMR 140, BPT]

- Q. Urea or 19% aqueous ammonia will not be injected into the Ecotube System until the boiler is at normal operating temperature.

[A-368-70-E-A (1/4/2005), BPT]

- R. BSELP is not required to operate the R-SCR system during Boiler 1 operations provided the NO<sub>x</sub> emission limits set forth in Condition 24(C) and Condition 24(D) are met. The R-SCR system will be operated when the price of RECs justify its operation.

[A-368-70-E-A (1/4/2005), BPT]

- S. When the R-SCR system is to be operated, ammonia will not be injected into the R-SCR system during start-up or shutdown unless the catalyst bed is at, or

above, the manufacturer's specified minimum operation temperature.  
[A-368-70-E-A (1/4/2005), BPT]

- T. BSELP must comply with the NO<sub>x</sub> emission rate of 0.24 lbs/MMBtu at all times except during plant startup and low load conditions of less than 30 MW net generation. During these times the NO<sub>x</sub> emission rate shall be no greater than 0.30 lbs/MMBtu.  
[A-368-70-E-A (1/4/2005), BPT]

(15) **Compliance Assurance Monitoring**

- A. BSELP shall meet the following PM CAM for Boiler #1 [40 CFR Part 64]:

	Indicator #1
Indicator	Opacity
General Criteria	
Measurement Method	Continuous Opacity Monitoring System (COMS)
Indicator Range	9% opacity. Except during periods of startup, shutdown or malfunction, if the opacity is above this value on a six (6) minute block average basis for ten consecutive six minute block average periods, it is considered an excursion. An excursion will require an inspection of the ESP within 4 hours of documentation of an excursion, corrective action, and a reporting requirement.
Performance Criteria	
Data Representativeness	COMS installed and maintained in accordance with MEDEP Chapter 117.
QA/QC	COMS maintained and tested in accordance with MEDEP Chapter 117.
Monitoring Frequency	Thirty-six (36) data values relatively equally spaced over each six (6) minute block.
Data Collection Procedure	Data shall be recorded and stored electronically.
Averaging Period	Over a six (6)-minute period.

- B. Except during periods of startup, shutdown or malfunction opacity from Stack #1 greater than 9% over ten (10) consecutive 6-minute block average periods shall be considered an excursion (per the BSELP CAM plan received by the Department on April 29, 2005). [40 CFR 64.3(a)]
- C. Upon detecting an excursion, the following data shall be recorded immediately upon occurrence of the excursion and once per shift until lower opacity has been reestablished [06-096 CMR 140, BPT]:
1. Multiple centrifugal cyclone pressure drop.
  2. Multiple centrifugal inlet and outlet gas temperatures.
  3. ESP primary and secondary voltages on each field.
  4. ESP primary and secondary currents on each field.
  5. ESP spark rate indicators.
  6. ESP gas pressure drop.
  7. ESP inlet and outlet gas temperatures.

- D. Any excursion shall be reported on semiannual reports. If excursions occur, BSELP must also certify intermittent compliance with the emission limits for the control device monitored on their annual compliance certification. [40 CFR 64]
- E. BSELP shall restore normal operation of the control equipment as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. [40 CFR 64.7.d]
- F. Prior to making any changes to the approved CAM plan, BSELP shall notify the Department and, if necessary, submit a proposed modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. [40 CFR 64.7(e)]

(16) **Stack Testing**

- A. All stack testing programs shall comply with all of the requirements of the MEDEP Compliance Test Protocol and with 40 CFR Part 60, as appropriate, or other methods approved by the MEDEP and EPA to test. [A-368-70-A-I (10/25/2000), BPT]
- B. BSELP shall conduct particulate emission (PM) and Ammonia (NH<sub>3</sub>) slip testing, and demonstrate compliance, at least once every even number year on Boiler 1. Ammonia (NH<sub>3</sub>) slip shall not exceed 20 ppmv on a dry basis on a 24 hour block hour average (corrected to 12% CO<sub>2</sub>). [A-368-70-E-A (1/4/2005), BPT]

- (17) BSELP shall notify the regional Air Bureau inspector and Air Bureau Licensing section of any fuel pile fires by the next business day. [A-368-70-B-M (7/3/2002), BPT]

(18) **Diesel Unit #1**

- A. Emissions from Diesel Unit #1 shall not exceed the following limits:  
[A-368-70-A-I (10/25/2000), 06-096 CMR 103, BPT]

<b>Pollutant</b>	<b>lb/hr</b>	<b>Lb/MMBtu</b>
PM	0.40	0.12
PM <sub>10</sub>	0.40	n/a
SO <sub>2</sub>	0.17	n/a
NO <sub>x</sub>	14.69	n/a
CO	3.16	n/a
VOC	1.17	n/a

- B. The sulfur content of the diesel fuel used in Diesel Unit #1 shall not exceed 0.05% sulfur by weight. Fuel oil logs shall be kept which includes records of hours of operation and fuel use through purchase receipts indicating gallons and percent sulfur by weight. [A-368-70-A-I (10/25/2000), BPT]

- C. Diesel Unit #1 shall not operate more than 500 hours or fire more than 13,500 gallons per year of diesel fuel. Hours of operation shall be maintained and fuel use records for Diesel #1 shall be kept through purchase receipts indicating gallons and percent sulfur by weight. [A-368-70-A-I (10/25/2000), BPT]
- D. Visible emissions shall not exceed an opacity of 20% on a six (6) minute block average basis, except for two (2), six (6) minute block averages in a 3-hour period. [A-368-70-A-I (10/25/2000), BPT]

(19) **Preventative Maintenance Log**

A log or electronic equivalent for Boiler 1 shall be maintained showing preventative maintenance actions being performed.

[A-368-70-A-I (10/25/2000), BPT] **Enforceable by State Only**

A log or electronic equivalent for Diesel Unit #1 shall be maintained showing preventative maintenance actions being performed.

[A-368-70-A-I (10/25/2000), BPT] **Enforceable by State Only**

(20) **General Process Sources**

All wood conveyors and transfer points shall be covered or enclosed. Visible emissions from any general process source (including chippers) shall not exceed an opacity of 20% on a 6 minute block average basis, except for no more than 1 six minute block average in a 1 hour period. [A-368-70-A-I (10/25/2000), BPT]

(21) **Fugitive Emissions**

Visible emissions from a fugitive emission sources (including stockpiles and roadways) shall not exceed an opacity of 20%, except for no more than five (5) minutes in any 1-hour period. Compliance shall be determined by an aggregate of the individual fifteen (15)-second opacity observations which exceed 20% in any one (1) hour. [06-096 CMR 101]

(22) **Degreaser Unit**

Parts washers at BSELP are subject to *Solvent Cleaners*, 06-096 CMR 130 (last amended June 28, 2004).

A. BSELP shall keep records of the amount of solvent added to each parts washer. [06-096 CMR 140, BPT]

B. The following are exempt from the requirements of 06-096 CMR 130 [06-096 CMR 130]:

1. Solvent cleaners using less than two liters (68 oz) of cleaning solvent with a vapor pressure of 1.00 mmHg, or less, at 20° C (68° F);
2. Wipe cleaning; and,
3. Cold cleaning machines using solvents containing less than or equal to 5% VOC by weight.

C. The following standards apply to cold cleaning machines that are applicable sources under 06-096 CMR 130.

1. BSELP shall attach a permanent conspicuous label to each unit summarizing the following operational standards [06-096 CMR 130]:

- (i) Waste solvent shall be collected and stored in closed containers.
  - (ii) Cleaned parts shall be drained of solvent directly back to the cold cleaning machine by tipping or rotating the part for at least 15 seconds or until dripping ceases, whichever is longer.
  - (iii) Flushing of parts shall be performed with a solid solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray) at a pressure that does not exceed 10 psig. Flushing shall be performed only within the freeboard area of the cold cleaning machine.
  - (iv) The cold cleaning machine shall not be exposed to drafts greater than 40 meters per minute when the cover is open.
  - (v) Sponges, fabric, wood, leather, paper products and other absorbent materials shall not be cleaned in the degreaser.
  - (vi) When a pump-agitated solvent bath is used, the agitator shall be operated to produce no observable splashing of the solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used.
  - (vii) Spills during solvent transfer shall be cleaned immediately. Sorbent material shall be immediately stored in covered containers.
  - (viii) Work area fans shall not blow across the opening of the degreaser unit.
  - (ix) The solvent level shall not exceed the fill line.
2. The remote reservoir cold cleaning machine shall be equipped with a perforated drain with a diameter of not more than six inches. [06-096 CMR 130]

**(23) Monitoring and Recordkeeping Requirements**

- A. The following are identified as Periodic Monitors [06-096 CMR 140, BPT]:
- 1. Hourly fuel oil flow into Boiler 1.
  - 2. Boiler 1 fuel oil sulfur content.
  - 3. Quantity of each fuel including, blended wood fuel (biomass and CDWF), clarifier cake, fiber, oil or waste oil burned in Boiler 1 each day.
  - 4. Boiler 1 emission stack testing results when performed.
  - 5. Boiler 1 preventative maintenance actions performed.
  - 6. Diesel Unit #1 preventative maintenance actions being performed.
  - 7. Diesel Unit #1 hours of operation.
  - 8. Diesel Unit #1 fuel use.
  - 9. Diesel Unit #1 fuel oil percent sulfur.
- B. The following is identified as a parameter monitor [06-096 CMR 140, BPT]:
- 1. Boiler 1 steam flow rate.
- C. The following are identified as CAM Monitors [40 CFR Part 64]:
- 1. Opacity
- D. For all CEMS and COMS, the records shall include [06-096 CMR 140, BPT]:
- 1. Documentation that all CEMS and COMS are continuously accurate, reliable and operated in accordance with 06-096 CMR 117, 40 CFR Part 51, Appendix P, and 40 CFR Part 60, Appendices B and F;

2. Records of all measurements, performance evaluations, calibration checks, and maintenance or adjustments for each CEMS and COMS as required by 40 CFR Part 51 Appendix P;
3. Upon the written request by the Department a report or other data indicative of compliance with the applicable emission standard for those periods when the CEMS or COMS were not in operation or produced invalid data. Methods allowed by 40 CFR Part 75 may be used to demonstrate compliance with applicable emission standards. Evidence indicating normal operations shall constitute such reports or other data indicative of compliance with applicable emission standards. In the event the Bureau of Air Quality does not concur with the licensee's compliance determination, the licensee shall, upon the Bureau of Air Quality's request, provide additional data, and shall have the burden of demonstrating that the data is indicative of compliance with the applicable standard; and
4. A 24-hour block average basis shall be calculated as the arithmetic average of not more than 24 – one hour block periods. Only one 24-hour block average shall be calculated for one day, beginning at midnight. A valid 24-hour block average must contain at least 12 hours during which operation occurred. Hours in which no operation occurs shall not be included in the 24-hr block average calculation.

(24) **Quarterly Reporting** [06-096 CMR 140, BPT]

The licensee shall submit a Quarterly Report to the Bureau of Air Quality within 30 days after the end of each calendar quarter, detailing the following, for the control equipment, parameter monitors, Continuous Emission Monitoring Systems (CEMS) or Continuous Opacity Monitoring Systems (COMS) required by this license. [06-096 CMR 117]

- A. All control equipment downtimes and malfunctions;
- B. All CEMS or COMS downtimes and malfunctions;
- C. All parameter monitor downtimes and malfunctions;
- D. All excess events of emission and operational limitations set by this Order, Statute, state or federal regulations, as appropriate. The following information shall be reported for each excess event;
  1. Standard exceeded;
  2. Date, time, and duration of excess event;
  3. Amount of air contaminant emitted in excess of the applicable emission standard expressed in the units of the standard;
  4. A description of what caused the excess event;
  5. The strategy employed to minimize the excess event; and
  6. The strategy employed to prevent reoccurrence.
- E. A report certifying there were no excess emissions, if that is the case.

(25) **Semiannual Reporting** [06-096 CMR 140, BPT]

- A. The licensee shall submit semiannual reports every six months to the Bureau of Air Quality. The semiannual reports are due on **July 31<sup>st</sup>** and **January 31<sup>st</sup>** of each year. The facility's designated responsible official must sign this report.
- B. The semiannual report shall be considered on-time if the postmark of the submittal is before the due date or if the report is received by the DEP within seven calendar days of the due date.
- C. Each semiannual report shall include a summary of the periodic and CAM monitoring required by this license.
- D. Each semiannual report shall include the annual capacity factor of Boiler 1 for each fuel.
- E. All instances of deviations from license requirements and the corrective action taken must be clearly identified and provided to the Department in summary form for each six-month interval.

(26) **Annual Compliance Certification** [06-096 CMR 140, BPT]

BSELP shall submit an annual compliance certification to the Department in accordance with Standard Condition (13) of this license. The annual compliance certification is due **January 31** of each year and shall be considered on-time if the postmark of the submittal is before the due date or if the report is received by the DEP within seven calendar days of the due date. Certification of compliance is to be based on the stack testing or monitoring data required by this license. Where the license does not require such data, or the license requires such data upon request of the Department and the Department has not requested the testing or monitoring, compliance may be certified based upon other reasonably available information such as the design of the equipment or applicable emission factors.

(27) **Annual Emission Statement**

In accordance with *Emission Statements*, 06-096 CMR 137 (last amended November 8, 2008), the licensee shall annually report to the Department the information necessary to accurately update the State's emission inventory by means of:

- A. A computer program and accompanying instructions supplied by the Department; or
- B. A written emission statement containing the information required in 06-096 CMR 137.

The emission statement must be submitted by the date as specified in 06-096 CMR 137.

[06-096 CMR 137]

- (28) The license is subject to the State and Federal regulations listed below:

<u>Origin and Authority</u>	<u>Requirement Summary</u>	<u>Enforceability</u>
06-096 CMR 102	Open Burning	-
06-096 CMR 109	Emergency Episode Regulation	-
06-096 CMR 110	Ambient Air Quality Standard	-
06-096 CMR 116	Prohibited Dispersion Techniques	-
38 M.R.S.A. §585-B, sub-§5	Mercury Emission Limit	Enforceable by State-only

- (29) **Certification by a Responsible Official**

All reports (including quarterly reports, semiannual reports, and annual compliance certifications) required by this license to be submitted to the Bureau of Air Quality must be signed by a responsible official. [06-096 CMR 140]

- (30) **Units Containing Ozone Depleting Substances**

When repairing or disposing of units containing ozone depleting substances, the licensee shall comply with the standards for recycling and emission reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioning units in Subpart B. An example of such units include refrigerators and any size air conditioner that contain CFCs. [40 CFR, Part 82, Subpart F]

- (31) **Asbestos Abatement**

When undertaking Asbestos abatement activities, BSELP shall comply with the Standard for Asbestos Demolition and Renovation 40 CFR Part 61, Subpart M.



(32) **Expiration of a Part 70 license**

- A. BSELP shall submit a complete Part 70 renewal application at least 6 months prior, but no more than 18-months prior, to the expiration of this air license.
- B. Pursuant to Title 5 MRSA §10002, and Chapter 140, the Part 70 license shall not expire and all terms and conditions shall remain in effect until the Department takes final action on the renewal application of the Part 70 license. An existing source submitting a complete renewal application under Chapter 140 prior to the expiration of the Part 70 license will not be in violation of operating without a Part 70 license.

DONE AND DATED IN AUGUSTA, MAINE THIS 26<sup>th</sup> DAY OF January 2010.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Brooks Jr.  
DAVID P. LITTELL, COMMISSIONER

**The term of this license shall be five (5) years from the signature date above.**

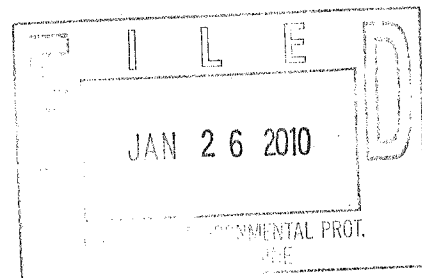
PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application April 29, 2005

Date of application acceptance May 23, 2005

Date filed with Board of Environmental Protection \_\_\_\_\_

This Order prepared by Jonathan Voisine, Bureau of Air Quality







STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID P. LITTELL  
COMMISSIONER

January 27, 2010

William Parker  
Boralex  
PO Box 430  
Fort Fairfield, ME 04742

RE: Air Emission License A-368  
for Renewal

Dear Mr. Parker:

Enclosed please find the final air emission license for which you applied (A-368-70-F-R). This license completes the processing of the application(s) associated with the following DEP tracking number(s): 55567. Also enclosed please find an information sheet on appealing a licensing decision and a customer service questionnaire.

If you have any questions, please write or call your project manager, Jon Voisine. The main office number is (207) 287-2437.

Sincerely,

Marc Allen Robert Cone, P.E.  
Bureau of Air Quality

cc: Town of Stratton  
License File

